

### **ABSTRACT OF THE DISCLOSURE**

A fluid pressure regulator assembly is provided for generating power from a pressurized fluid. A vane motor is coupled between a high-pressure fluid source and a regulator, to extract power from the pressurized fluid and reduce the burden on the fluid regulator. The assembly may be used in association with many devices, including gas grills and self-contained underwater breathing apparatuses. A plurality of vane motors may be provided and generators may be coupled thereto for producing electricity from the pressurized fluid.

2025-09-09